

# Aspect 4:

## I Can Use Place Value

**NSW Numeracy Continuum, Aspect 4:** Place Value.

(Source: NSW Department of Education & Communities (2010), Numeracy Continuum K – 10.

Available at URL: <http://www.numeracycontinuum.com/index.php/continuum-chart.> )

### (TEN AS A COUNT)

- I can count-on in units of 10 or 1.

### (TEN AS A UNIT)

- I can count by 10s and 1s from any two-digit number to add 2 two-digit numbers together, using materials or marks to show the number I am adding.
- I can count back by 10s and 1s from any two-digit number to subtract one two-digit number from another, using materials or marks to show the number I am subtracting.

### (TENS AND ONES)

- I can count forward or backward in my head firstly by 10s and then by 1s.
- I can split two-digit numbers into 10s and 1s to help me add or subtract several two-digit numbers in my head.
- I can split any two-digit number into various combinations of 10s and 1s.

### (HUNDREDS, TENS AND ONES)

- I can calculate forward or backward in my head firstly by 100s, then 10s and then by 1s.
- I can split three-digit numbers into groups of 100s, 10s and 1s to help me add or subtract three-digit numbers.
- I can split any three-digit number into groups and combinations of 100s, 10s and 1s.

### (DECIMAL PLACE VALUE)

- I can use decimal tenths and decimal hundredths to show fractional parts of a whole number (eg. 4.38 is 4 whole units, 3 tenths and 8 hundredths).
- I can order both the parts and the total of a decimal number according to place value (eg. 0.3 is bigger than 0.08; 0.76 is smaller than 7.6).

### (SYSTEM PLACE VALUE)

- I can extend place value on both the left and the right of the decimal point, to represent both larger whole and smaller fractional numbers.
- I can multiply or divide by units of 10 (10s, 100s etc.) to increase or decrease the value of a digit and show the change in its respective place value.

